

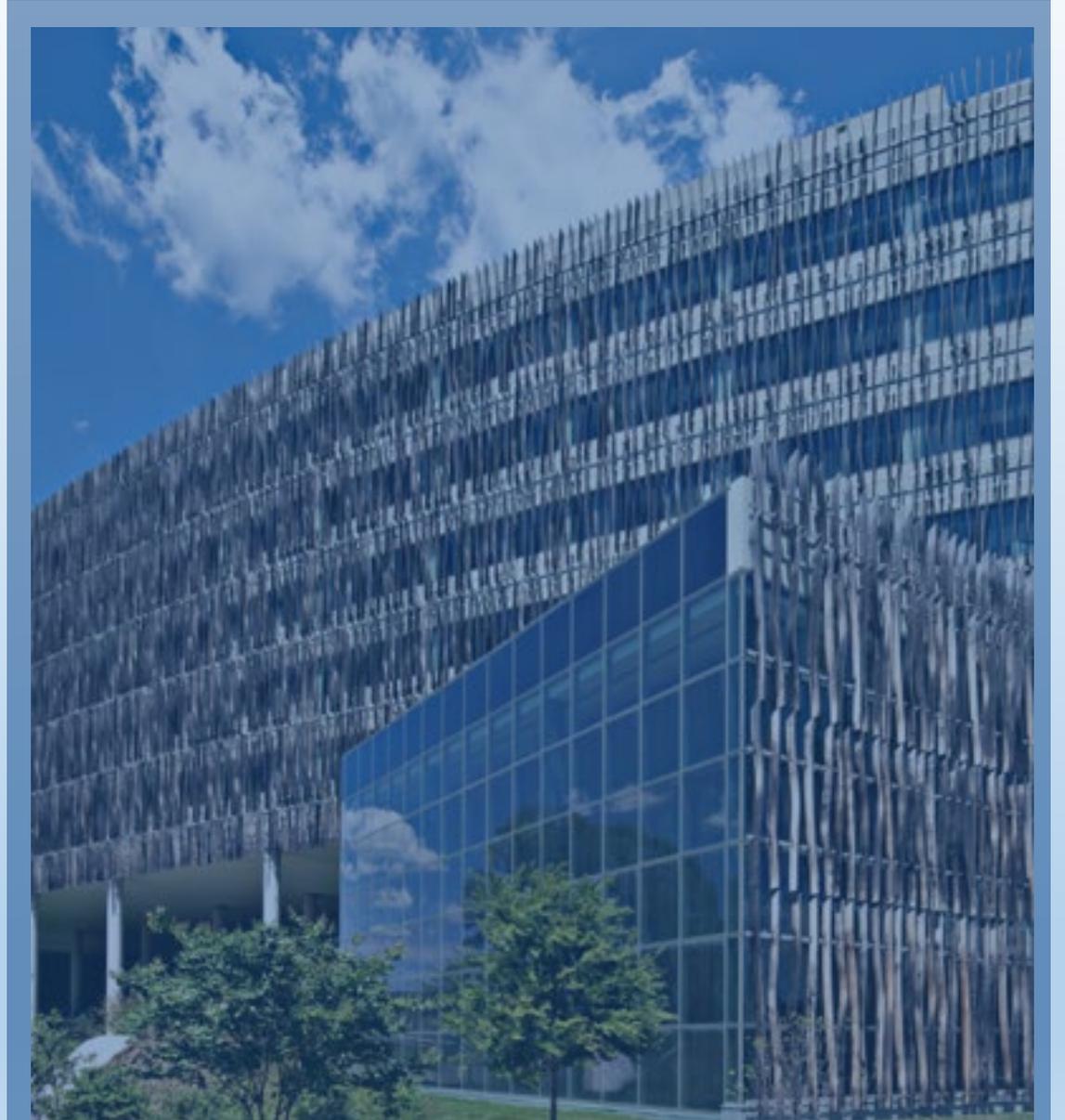
# How the Longitudinal Employer-Household Dynamics Data Products Tell the Story

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March 22, 2022

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Longitudinal Employer-Household Dynamics  
US Census Bureau

Joyce Key Hahn  
Longitudinal Employer-Household Dynamics  
US Census Bureau



# Agenda

1. About the Longitudinal Employer-Household Dynamics (LEHD) Program
2. Quarterly Workforce Indicators (QWI) Explorer
3. OnTheMap/OnTheMap for Emergency Management
4. Job-to-Job Flows (J2J) Explorer
5. Post-Secondary Employment Outcomes (PSEO) Explorer/Veteran's Employment Outcomes (VEO) Explorer
6. Additional Resources
7. Q&A

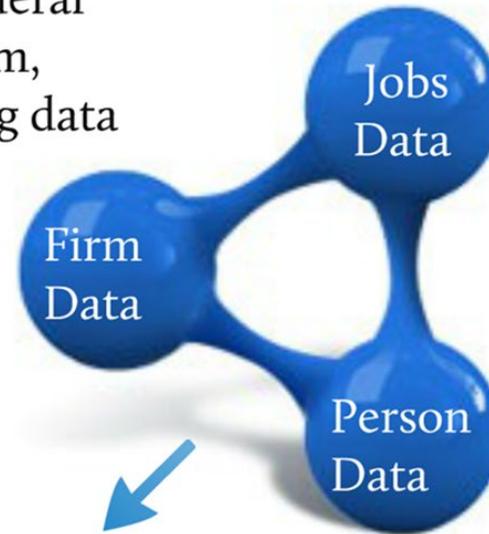
1.

# About the Longitudinal Employer-Household Dynamics (LEHD) Program

# Longitudinal Employer-Household Dynamics Vs. Local Employment Dynamics

## About the LEHD Program

An innovative federal statistical program, collecting existing data and ...



..linking it together to provide new information sources at low cost

New linked national jobs data for the U.S.

# Longitudinal Employer-Household Dynamics

Data Product	Explore the data, answer questions, or get visualizations	Bulk data for use in analysis process/software	Live queries for building web applications
QWI	<a href="#">QWI Explorer</a>	<a href="#">LED Extraction Tool</a> and <a href="#">Raw data download</a>	<a href="#">Census Bureau API</a>
LODES	<a href="#">OnTheMap</a> <a href="#">OnTheMap for Emergency Management</a>	<a href="#">Raw data download</a>	Future development
J2J	<a href="#">J2J Explorer</a>	<a href="#">Raw data download</a>	Future Development
PSEO	<a href="#">PSEO Explorer</a>	<a href="#">Raw data download</a>	Future Development
VEO	<a href="#">VEO Explorer</a>	<a href="#">Raw data download</a>	Future Development

2.

## QWI Explorer

# America Counts Stories Behind the Numbers



## Tourism and Related Industries Declined Sharply in Northeastern States in Spring 2020, Women and Young Workers More Affected Nationwide

MATTHEW GRAHAM, HEATH HAYWARD, HUBERT JANICKI, ERIKA MCENTARFER AND LEE TUCKER  
JUNE 23, 2021

Early outbreaks of COVID-19 affected large populations in New York and New Jersey in the spring of 2020, leading the Centers for Disease Control and Prevention (CDC) to issue a domestic travel advisory for those states.

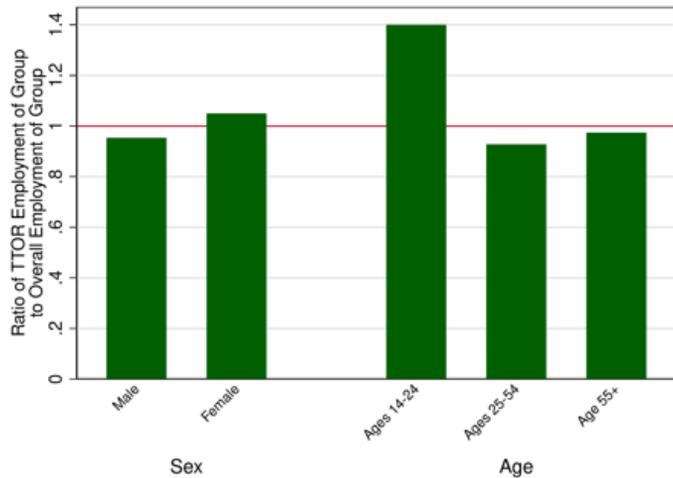


### Not All Industries Experienced Declines During the Pandemic

Estimates from the Census Bureau's Quarterly Services Survey show that some industries grew despite the pandemic while others saw declining revenue.

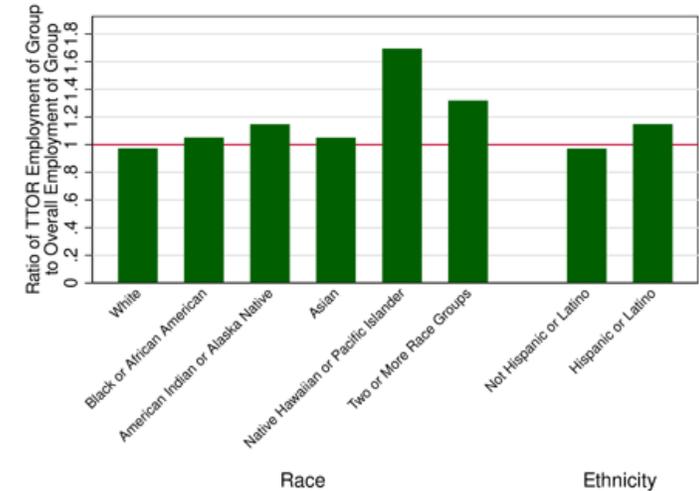
- Sex and Age

Who Works in Travel, Tourism, and Outdoor Recreation:  
Employment by Sex and Age



- Race and Ethnicity

Who Works in Travel, Tourism, and Outdoor Recreation:  
Employment by Race and Ethnicity



3.

## OnTheMap and OnTheMap for Emergency Management

# South Dakota and COVID-19

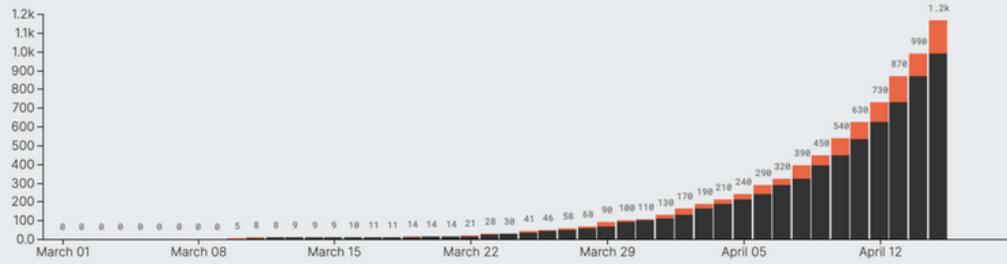
## A look at the COVID-19 hotspot in South Dakota

To explore more data on COVID-19, please go to [covid19.topos.com](https://covid19.topos.com)

Topos [Follow](#)  
Apr 16 · 2 min read



### COVID-19 Cases | South Dakota



Timeline of COVID-19 Cases in South Dakota. Orange indicates new cases.



[https://medium.com/@topos\\_ai/a-look-at-the-covid-19-hotspot-in-south-dakota-26f774f5435c](https://medium.com/@topos_ai/a-look-at-the-covid-19-hotspot-in-south-dakota-26f774f5435c)



# [OnTheMap.Ces.Census.Gov](http://OnTheMap.Ces.Census.Gov)

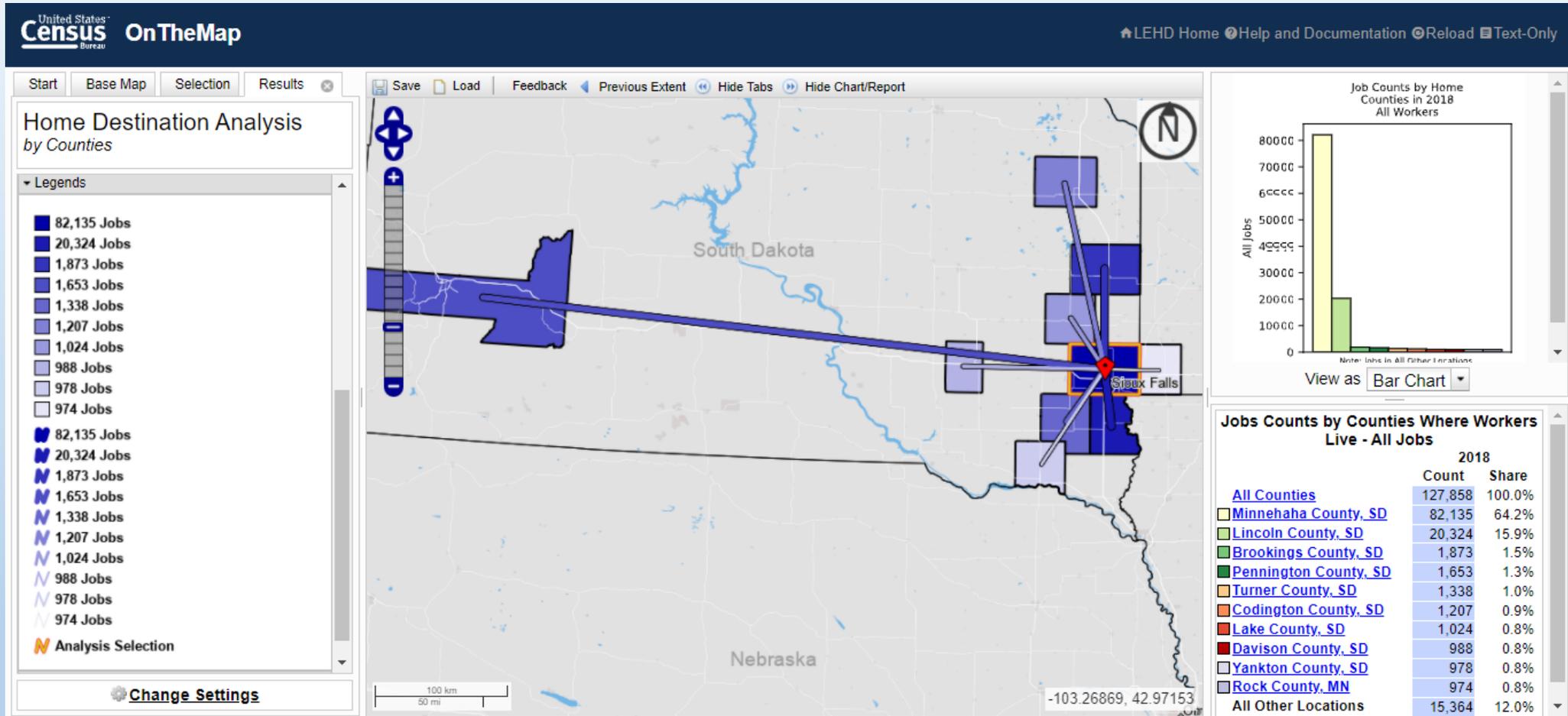
The screenshot displays the OnTheMap application interface. At the top, the title "OnTheMap" is on the left, and navigation links "LEHD Home", "Help and Documentation", "Reload", and "Text-Only" are on the right. Below the title bar, there are tabs for "Start", "Base Map", and "Selection". A toolbar contains icons for "Save", "Load", "Feedback", "Previous Extent", and "Hide Tabs".

The left sidebar contains a "Welcome to OnTheMap!" message with instructions on how to start an analysis. Below this is a "Search" section with a search box containing "minnehaha" and a "Search" button. A dropdown menu "Search All Names" is open, showing a list of categories: States, Counties, Places (Cities, CDPs, etc.), ZIP Codes (ZCTA), Metropolitan/Micropolitan Areas (CBSA), Workforce Investment Areas (WIA), and County Subdivisions. Under "Counties", "Minnehaha County, SD" is selected.

The main map area shows a map of Minnehaha County, SD, with a red pin on the county name. A popup window displays the following information:  
Minnehaha County, SD  
from Counties  
Selection Area: 813,861 Sq. Mi  
Census Blocks: 5,510  
Buttons: Perform Analysis on Selection Area, Change Selection Area, Add Advanced Selection

At the bottom of the map, there is a scale bar (10 km / 10 mi) and coordinates: -96.83550, 43.81234. A footer bar contains links for "Privacy Policy", "2010 Census", "Data Tools", "Information Quality", "Product Catalog", "Contact Us", and "Home".

# Destination Analysis



# OnTheMap for Emergency Management



Hurricanes, Floods,  
Winter Storms



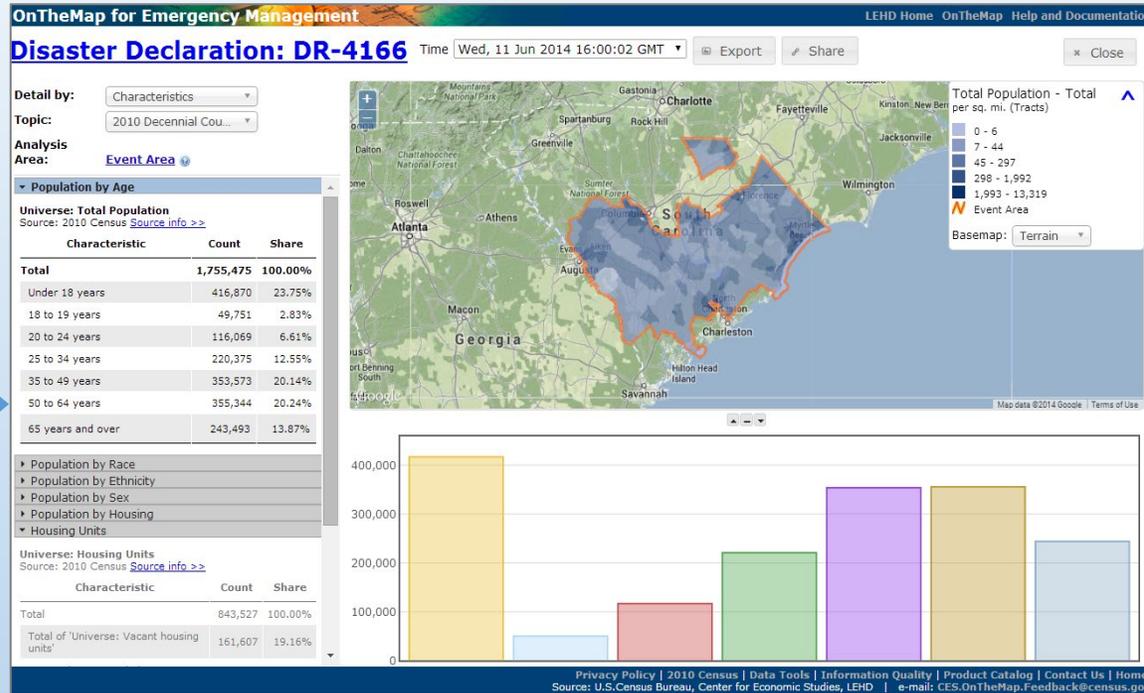
Disaster Areas



Wildfires

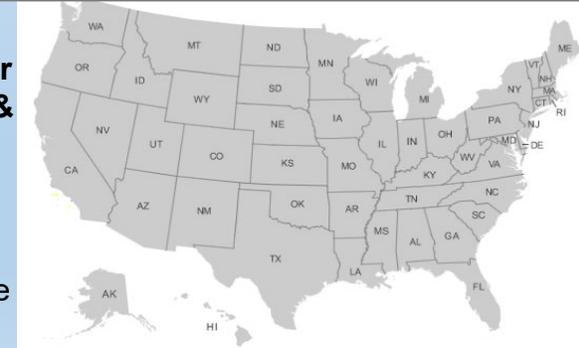


Demographic &  
Economic Data



## New Public Data Service for Emergency Preparedness & Response

- Comprehensive Reports
- Real-time Data Updates
- Easy-to-use & Interoperable
- Historical Event Archive
- Flexible Analyses & Visualizations



**Search:**  Filter ▾

**Update (September 15, 2021):** [Click here to read about application changes related to the COVID-19 Pandemic](#)

**Events as of 03/14/2022** 📅 <

**Wildfires**

**Adkins Avenue Fire**

Zip 32404

Affected Population: 326

**Dogwood Way Fire**

Zip 32404

Affected Population: 14

**TI Cemetery 2 Assist Fire**

No data

Affected Population: 0

**San Juan Fire**

No data

Affected Population: 0

**Willie Anderson Fire**

No data

Affected Population: 0

**Wf5 Rum Creek Fire**

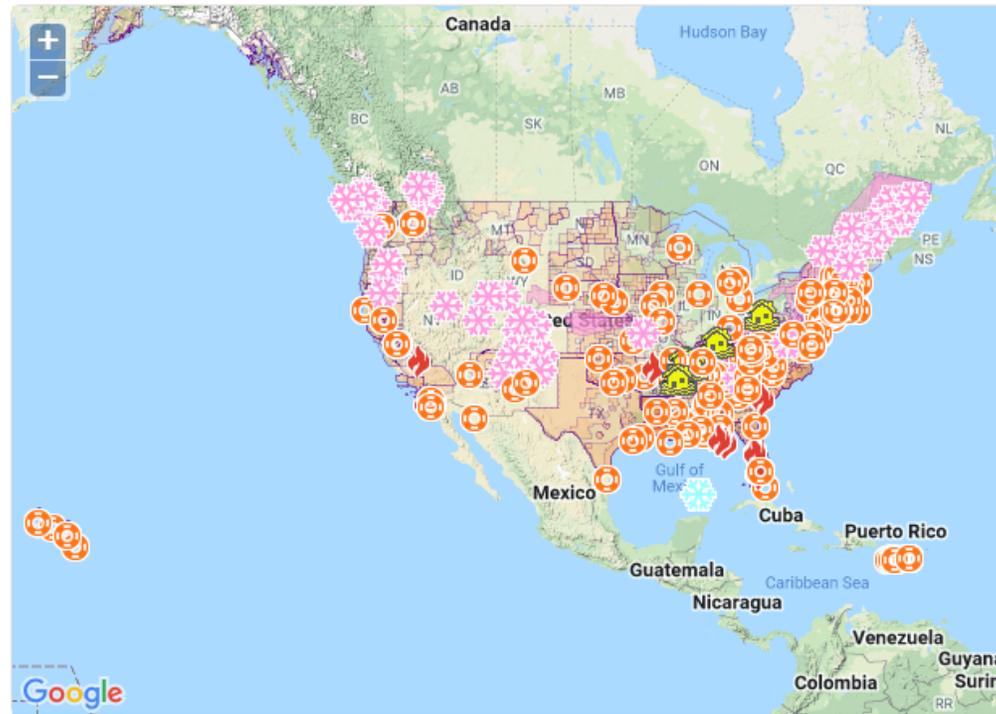
No data

Affected Population: 0

**Hastings Fire**

No data

Affected Population: 0



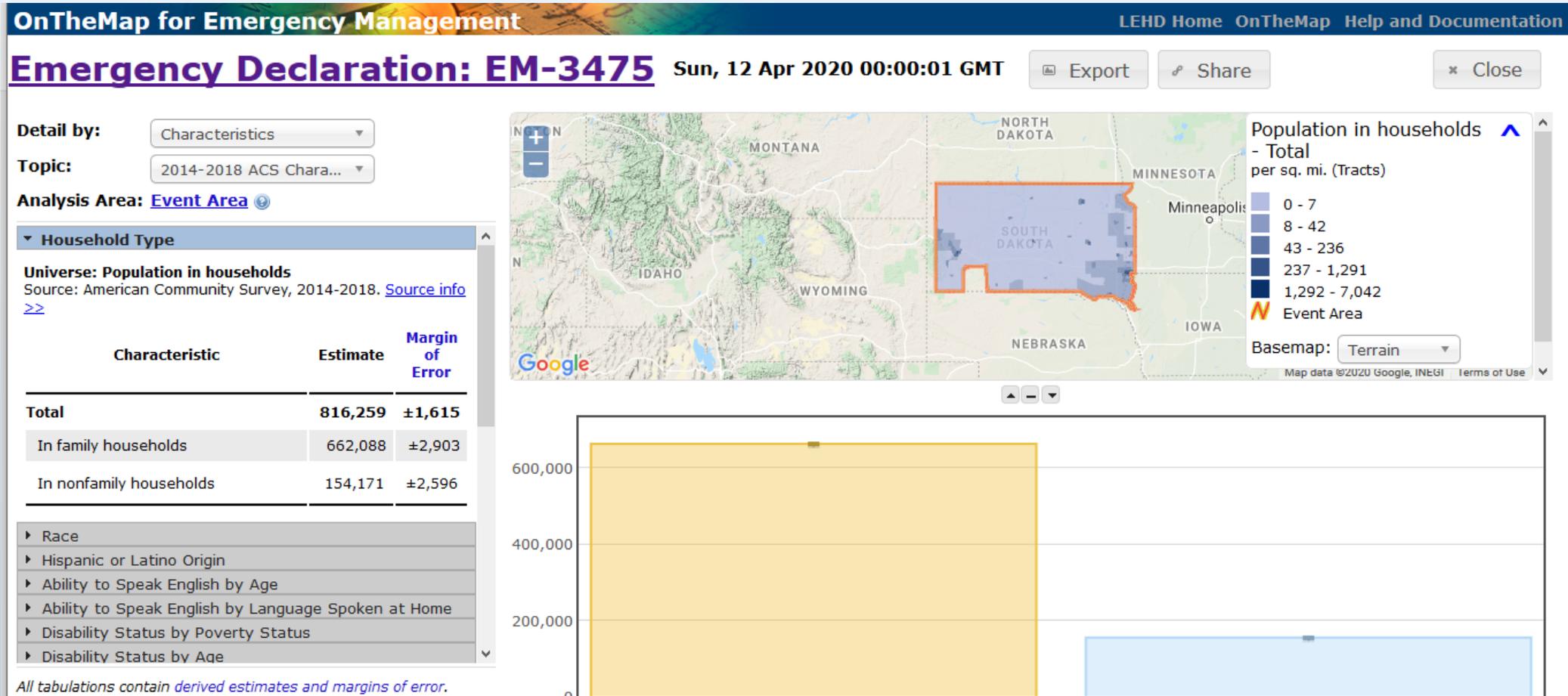
**Legend & Map Controls** ⤴

**Event Types**

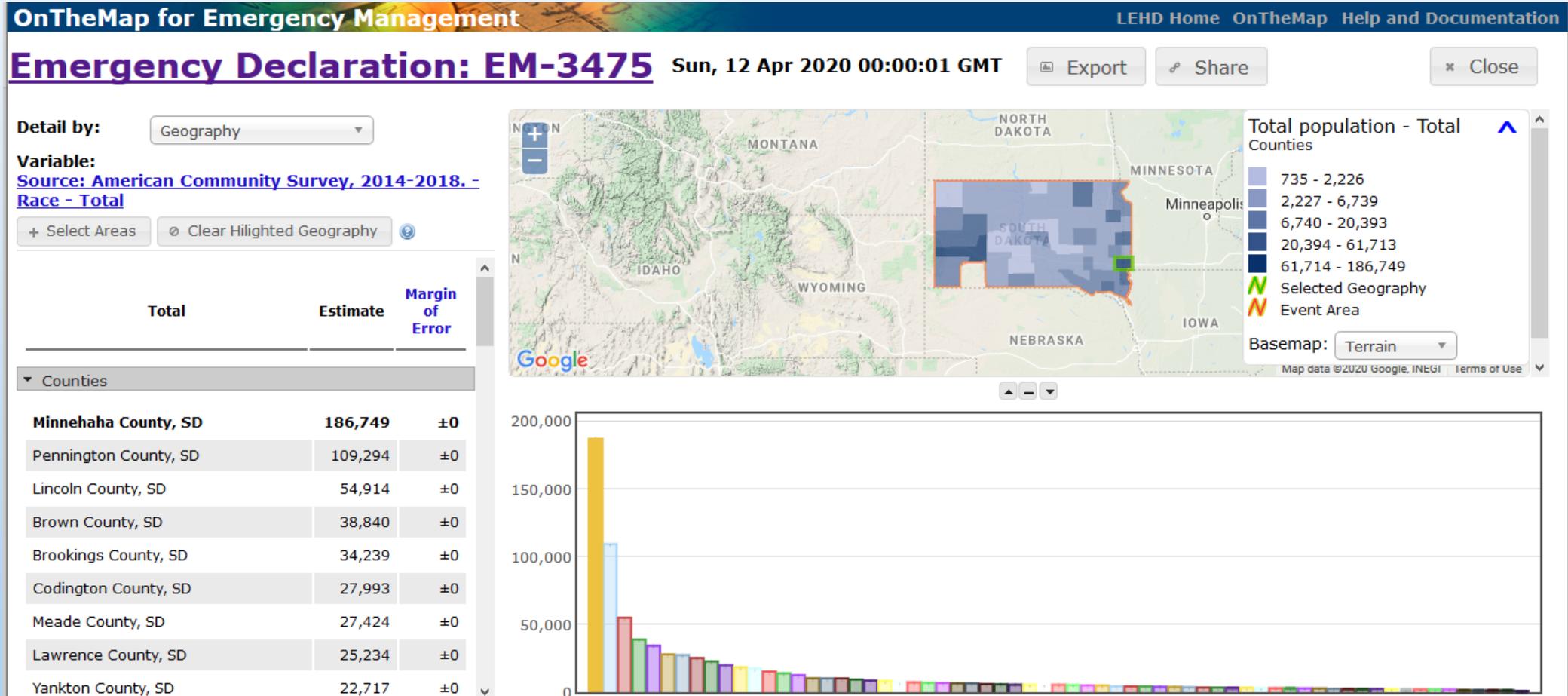
- Tropical Storms
  - Current Wind Radii
  - Wind History (Cumulative Swath)
  - Forecast Area (Cone of Uncertainty)
- Wildfires
  - Perimeter
- Floods
  - Likely
  - Occurring or Imminent
- Winter Weather
  - Forecasted Snowfall
  - Forecasted Freezing Rain
- Disaster Declaration Areas
  - Emergency or Disaster Declaration
  - COVID-19 Pandemic
  - Emergency or Disaster Declaration

**Basemap:** Terrain ▾

# Emergency Declaration: EM-3475



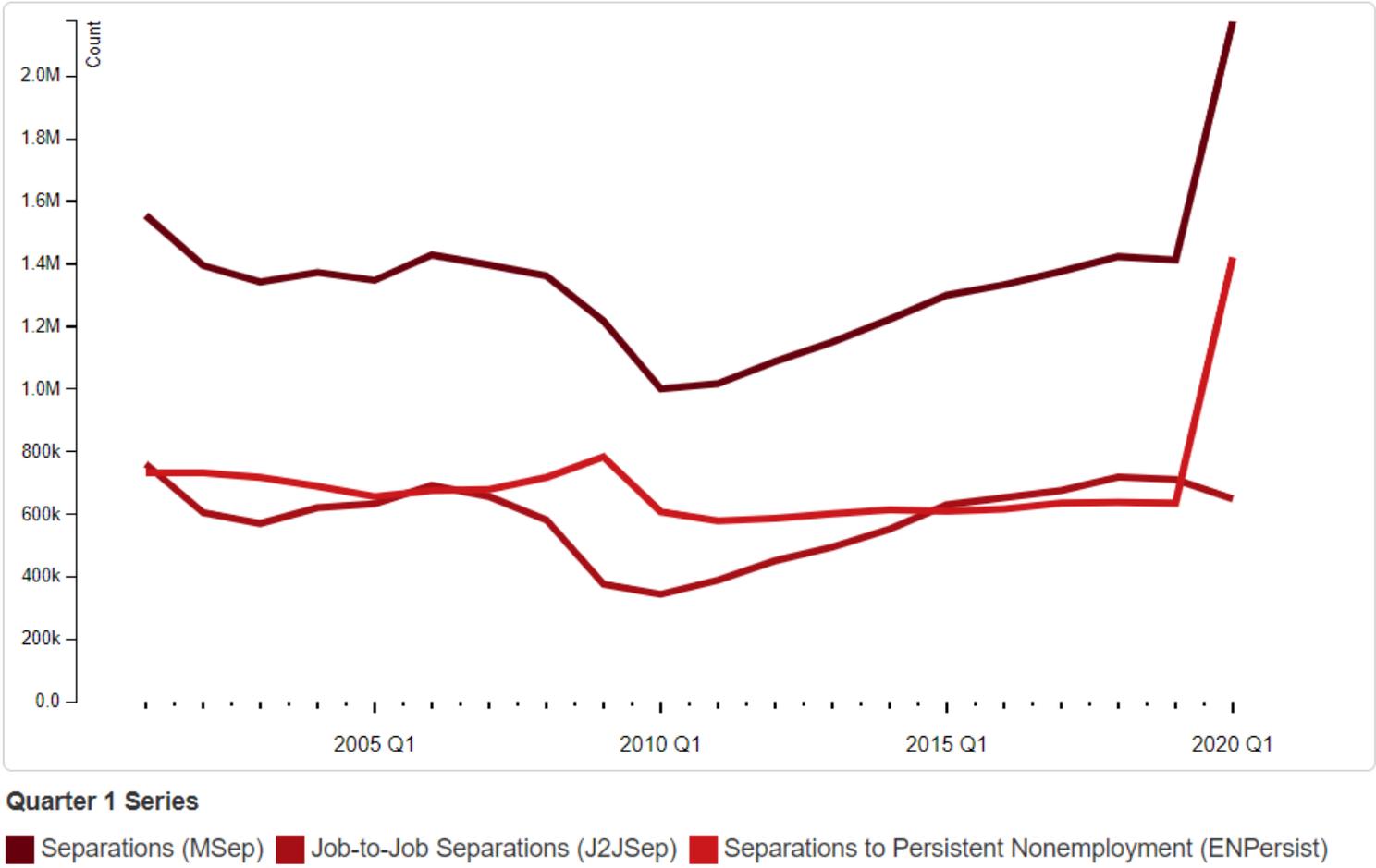
# EM-3475: Minnehaha County



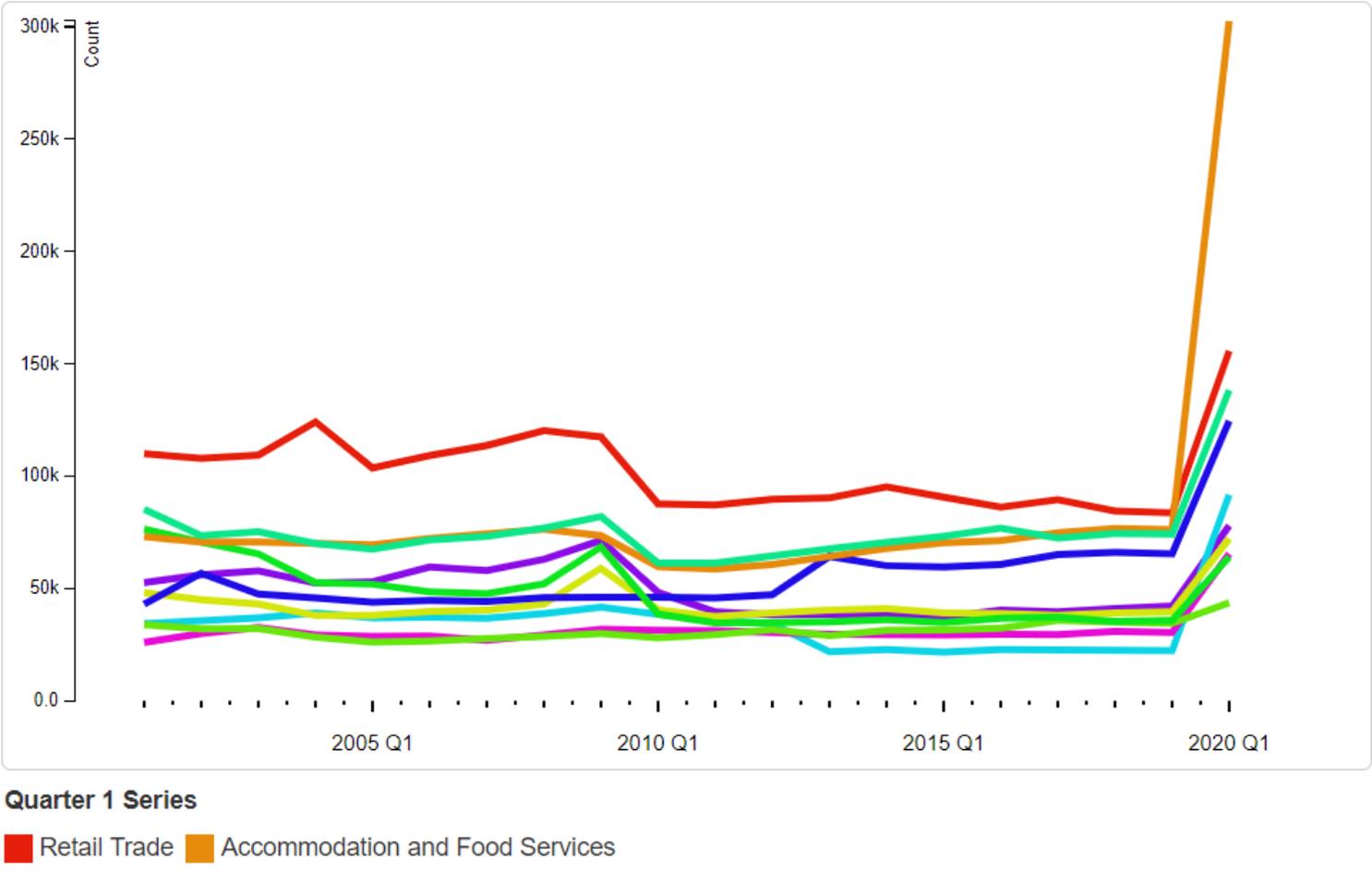
4.

## J2J Explorer

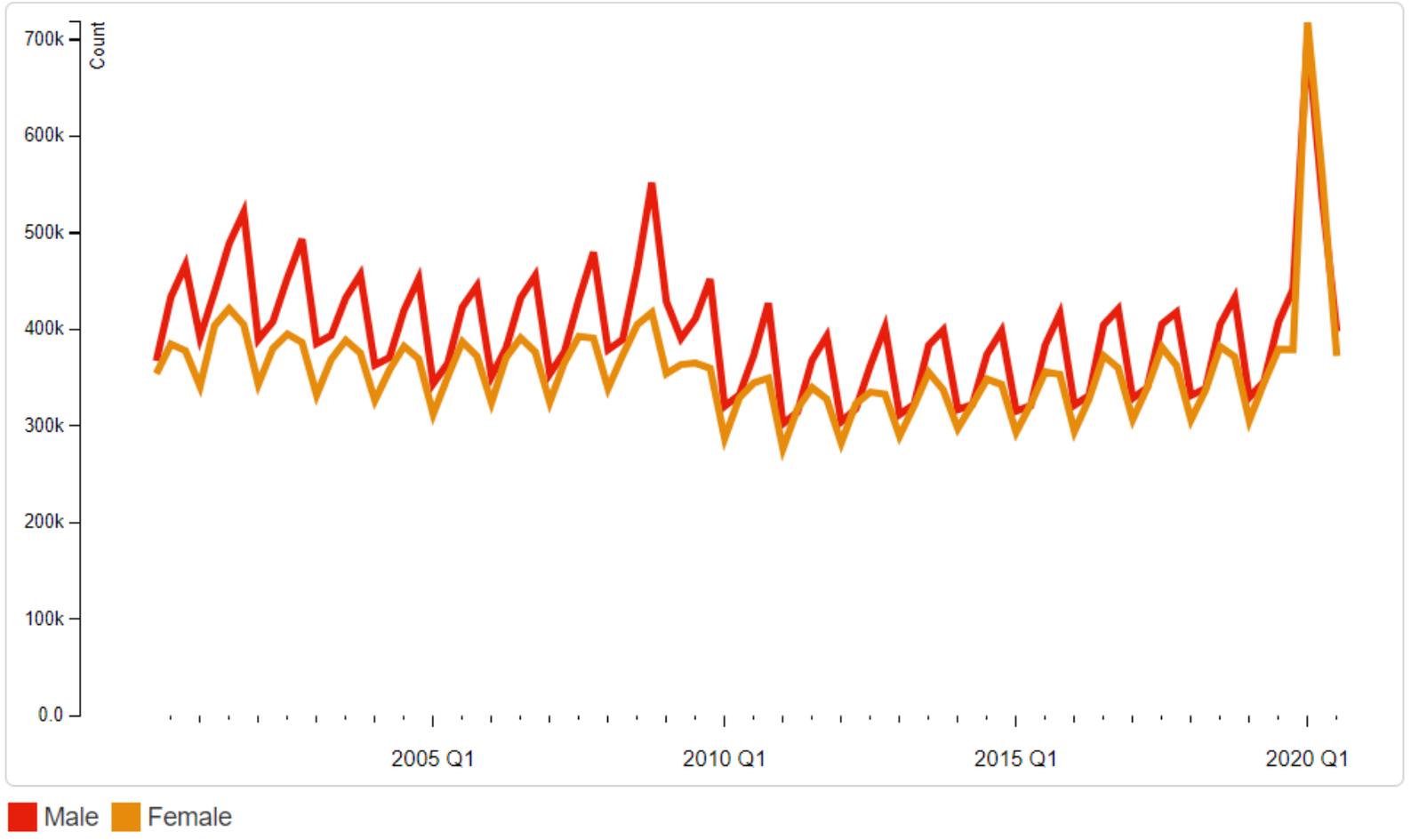
# Do Workers Leave Jobs For Other Jobs Or Nonemployment?



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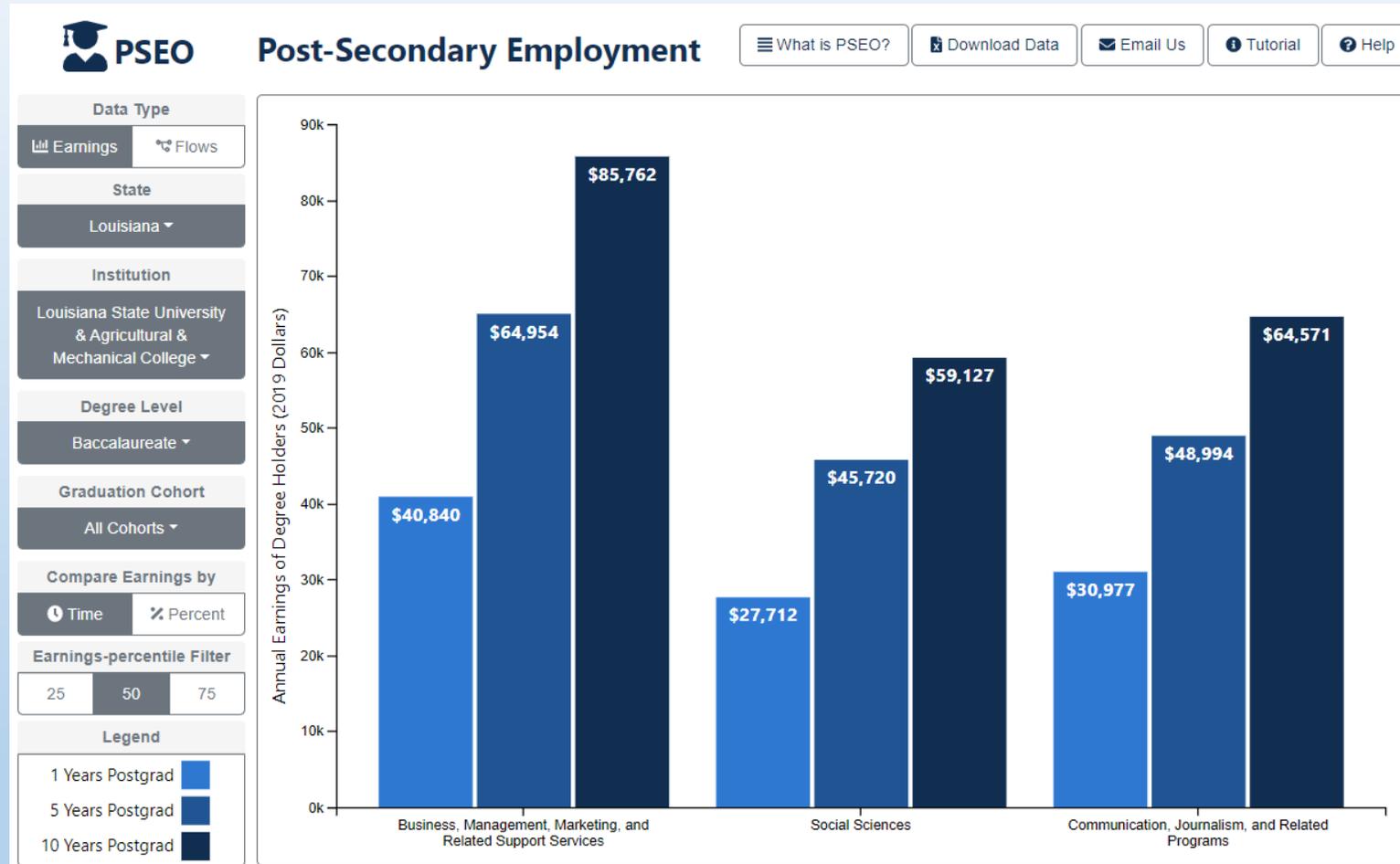
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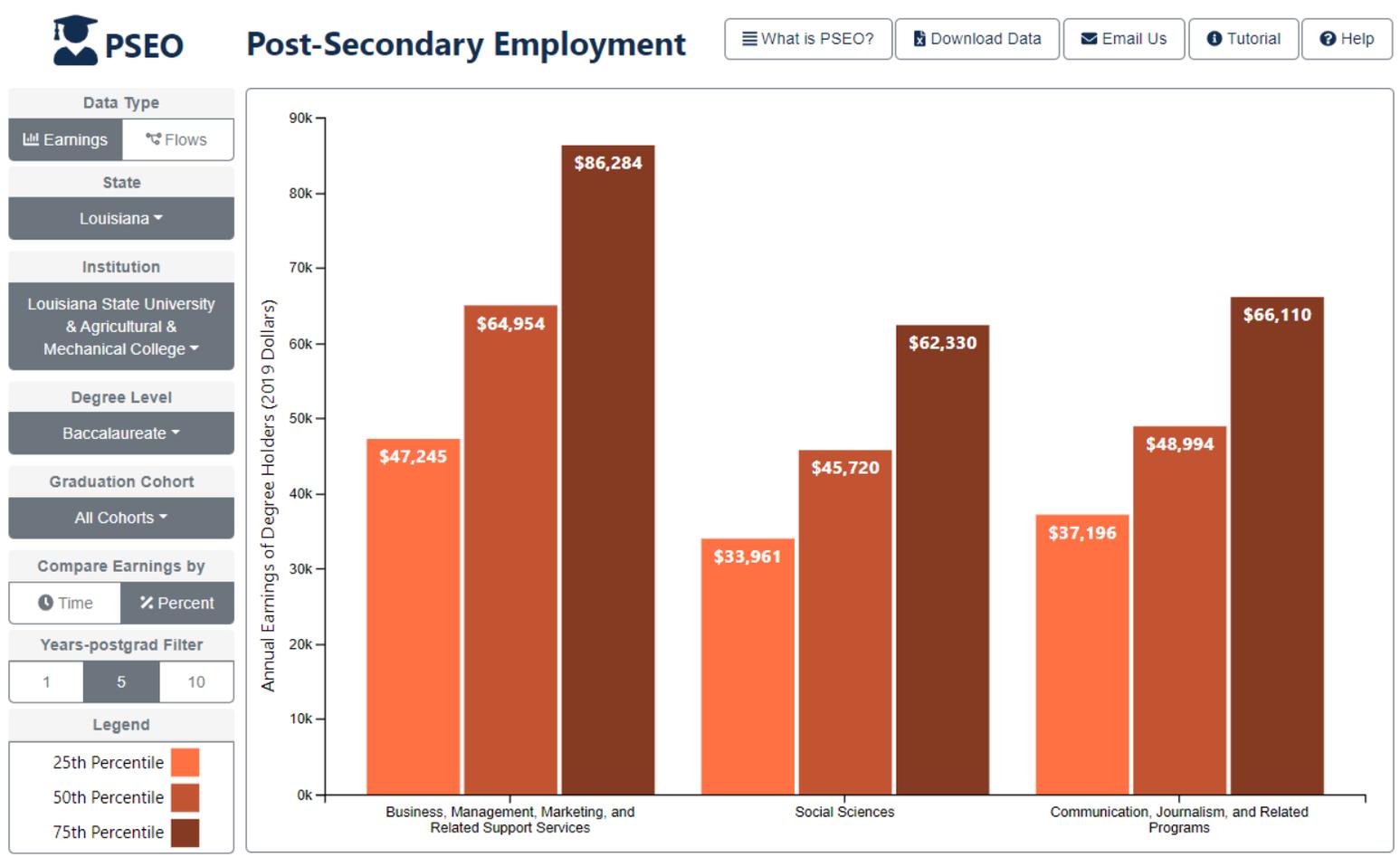
5.

## PSEO and VEO Explorer

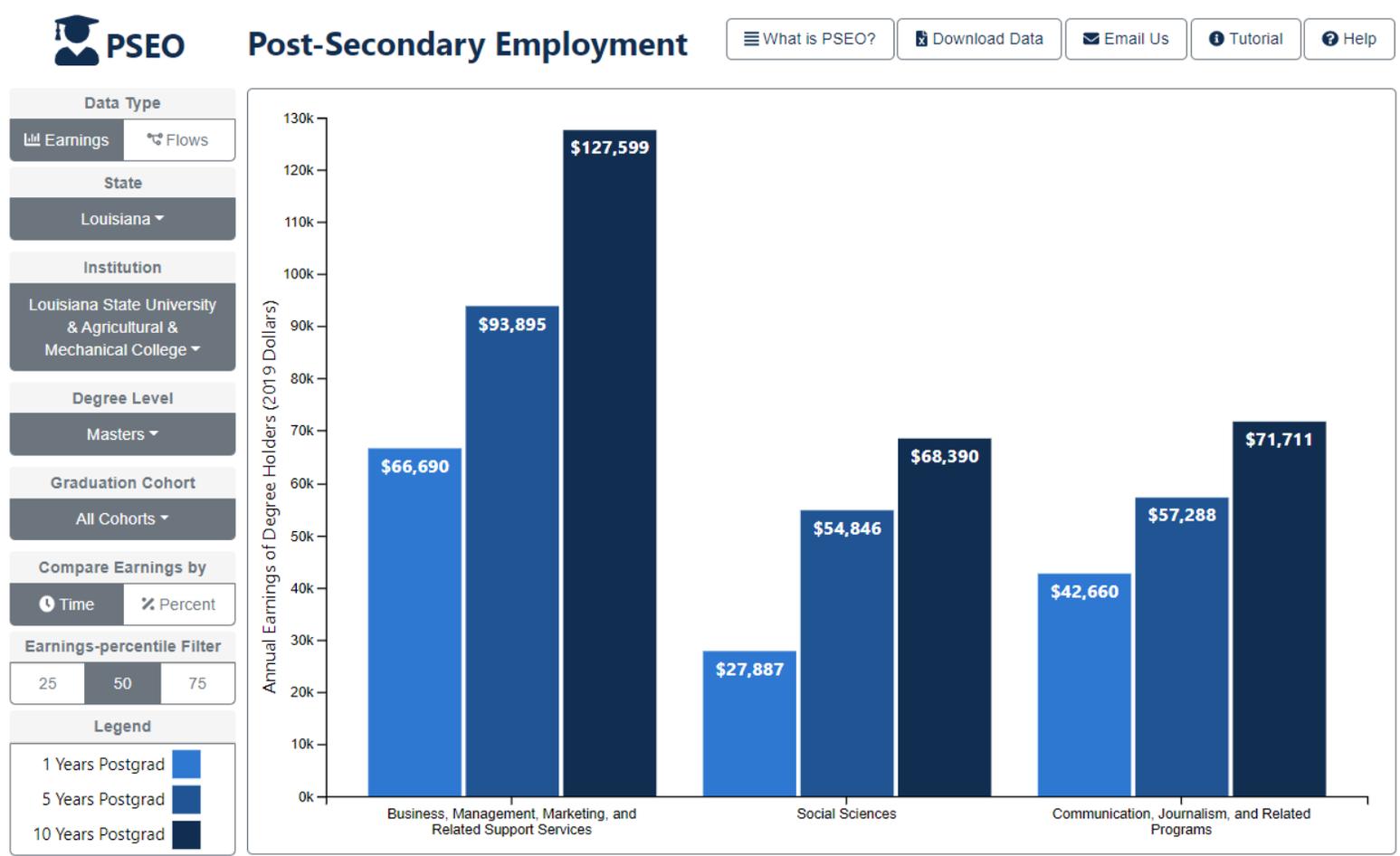
# How Much Do Graduates With Baccalaureate Degrees Earn?



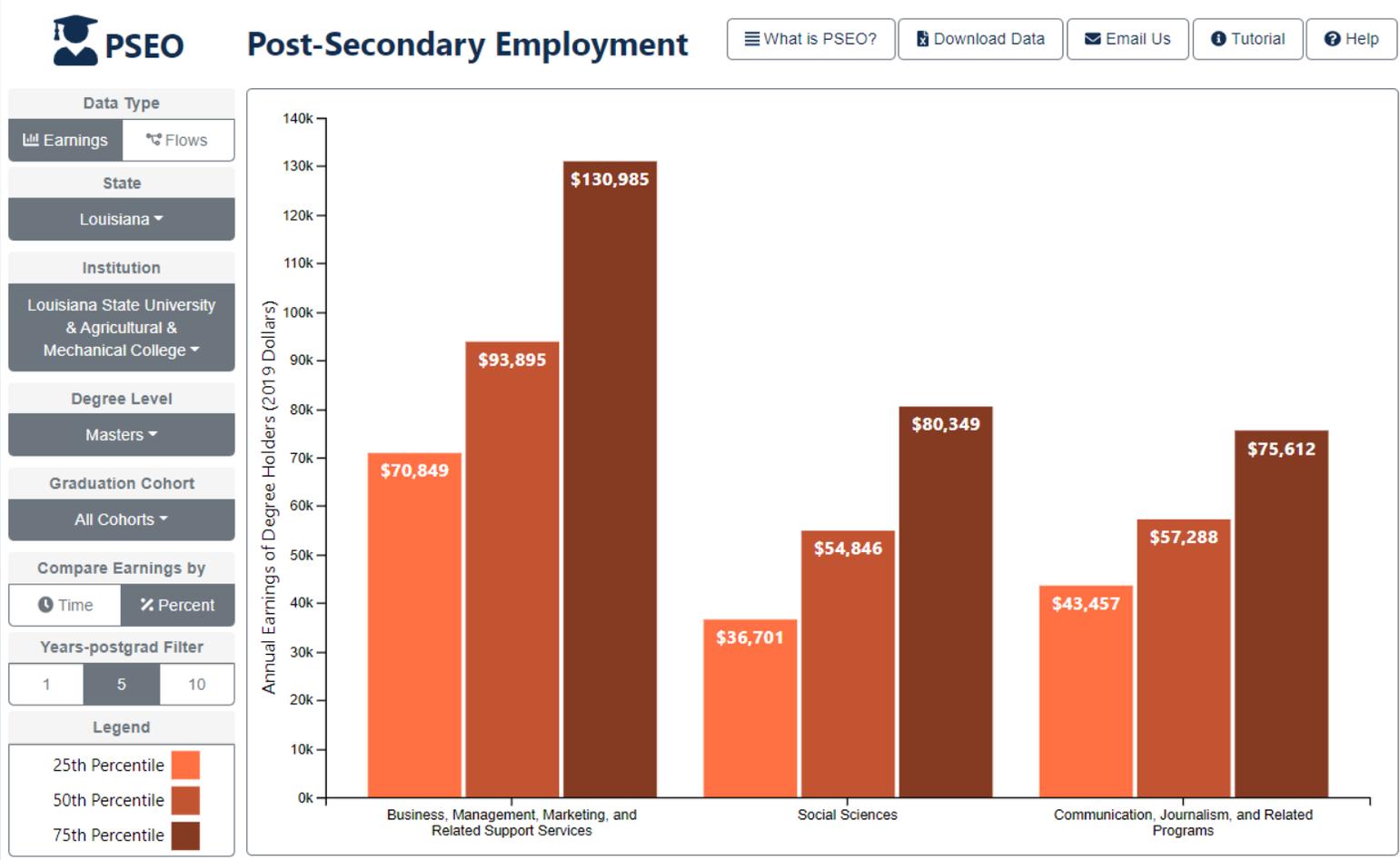
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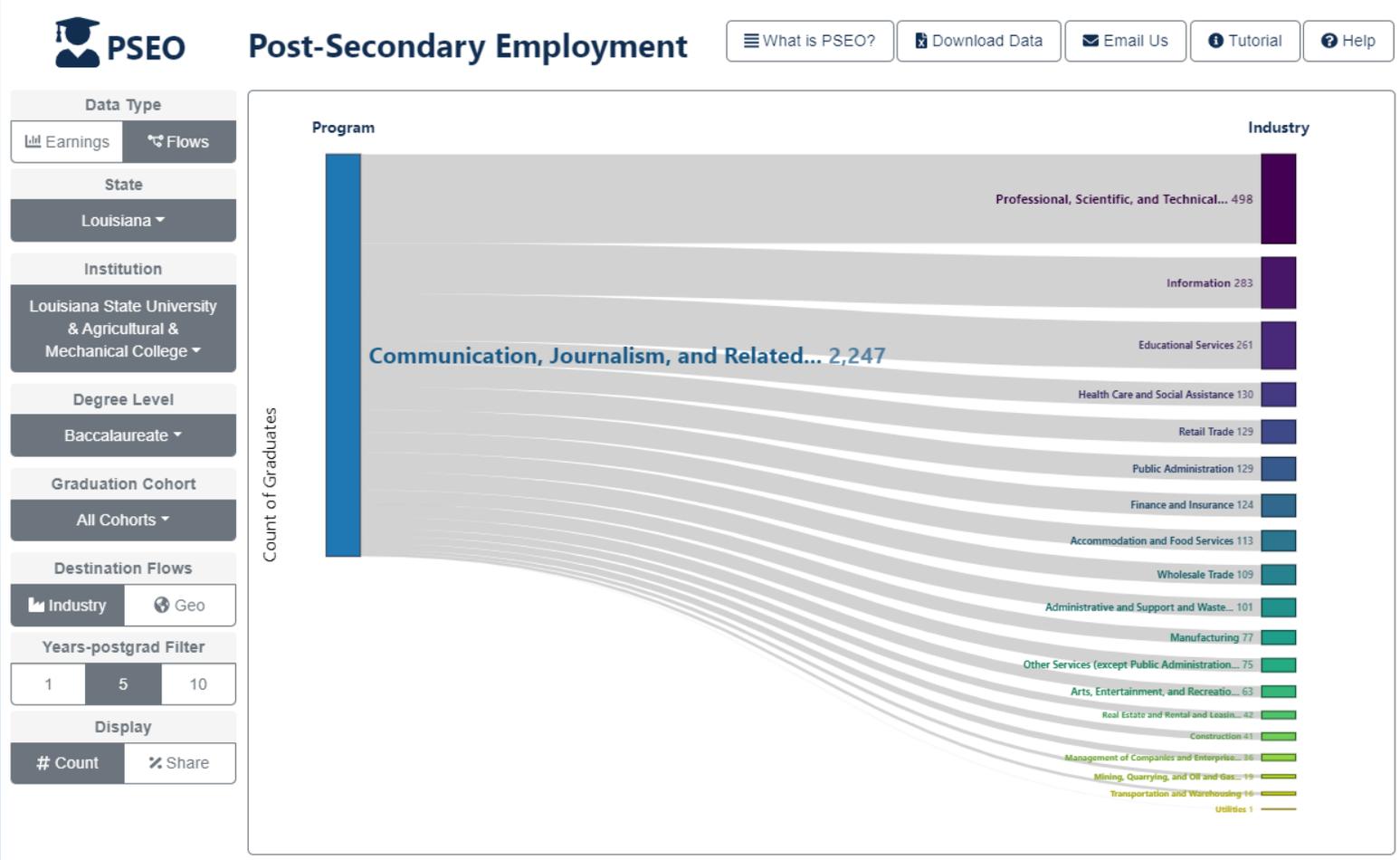
# How Much Do Graduates With Masters Degrees Earn?



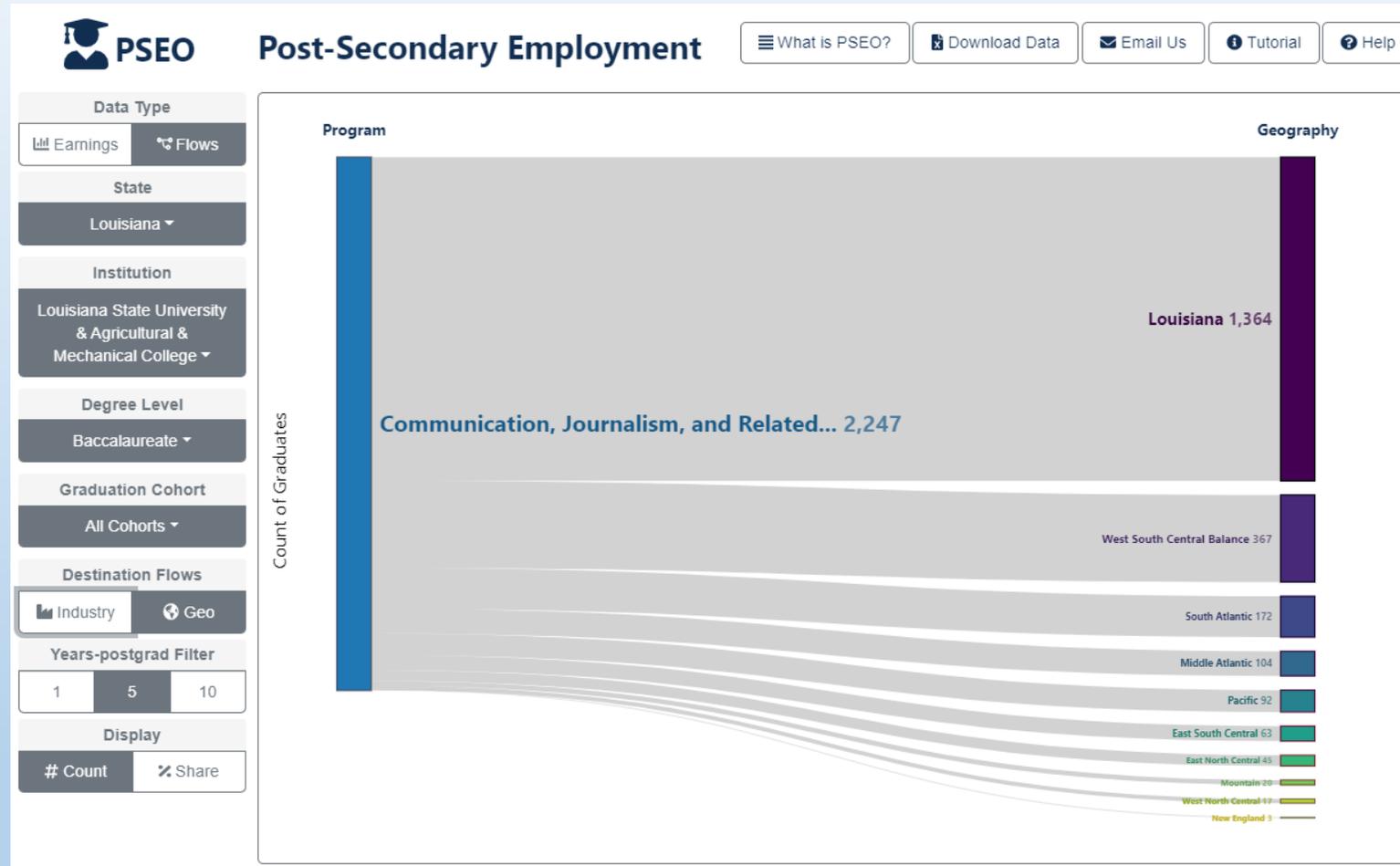
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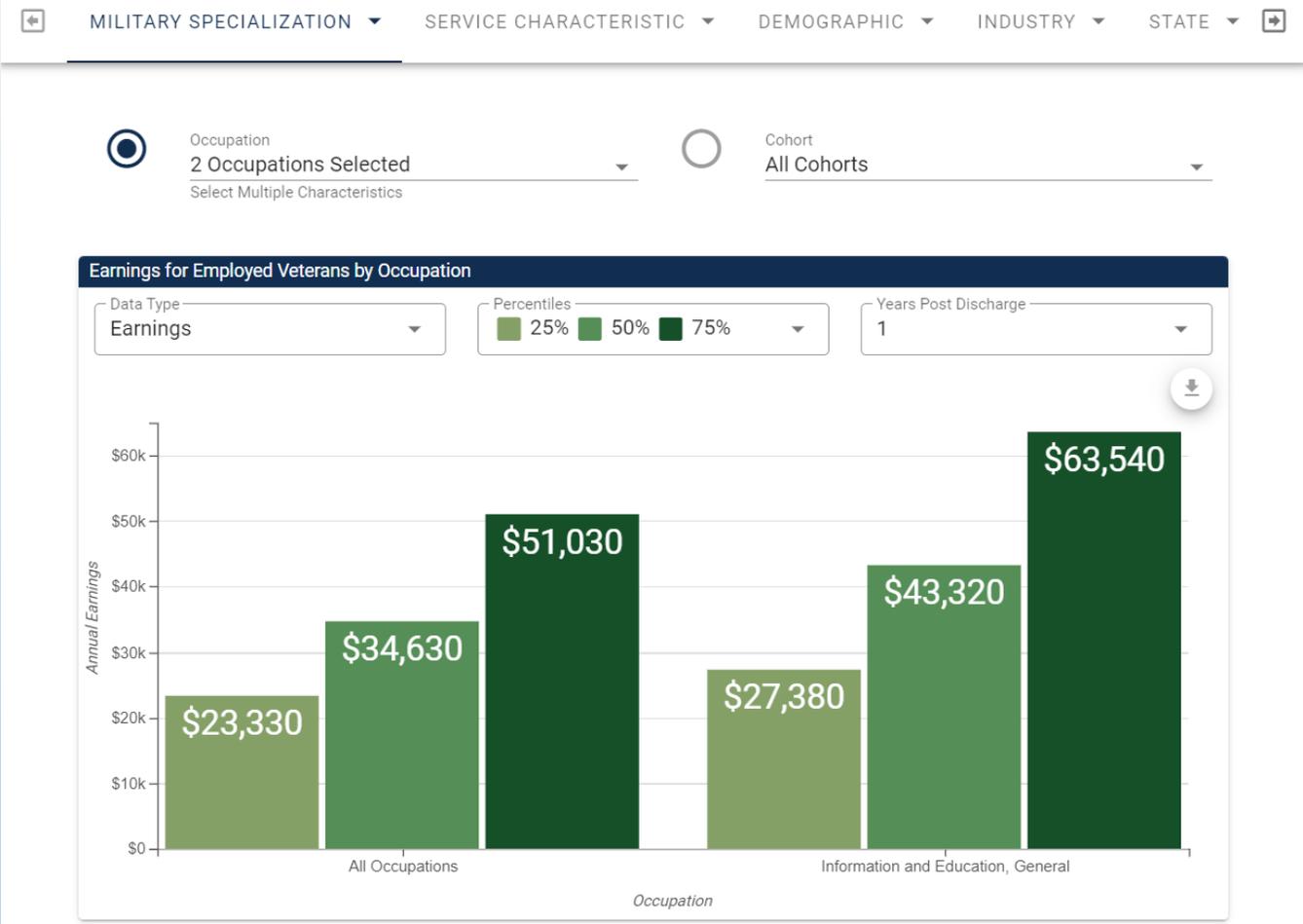
# Where Do Graduates With Baccalaureate Degrees Work?



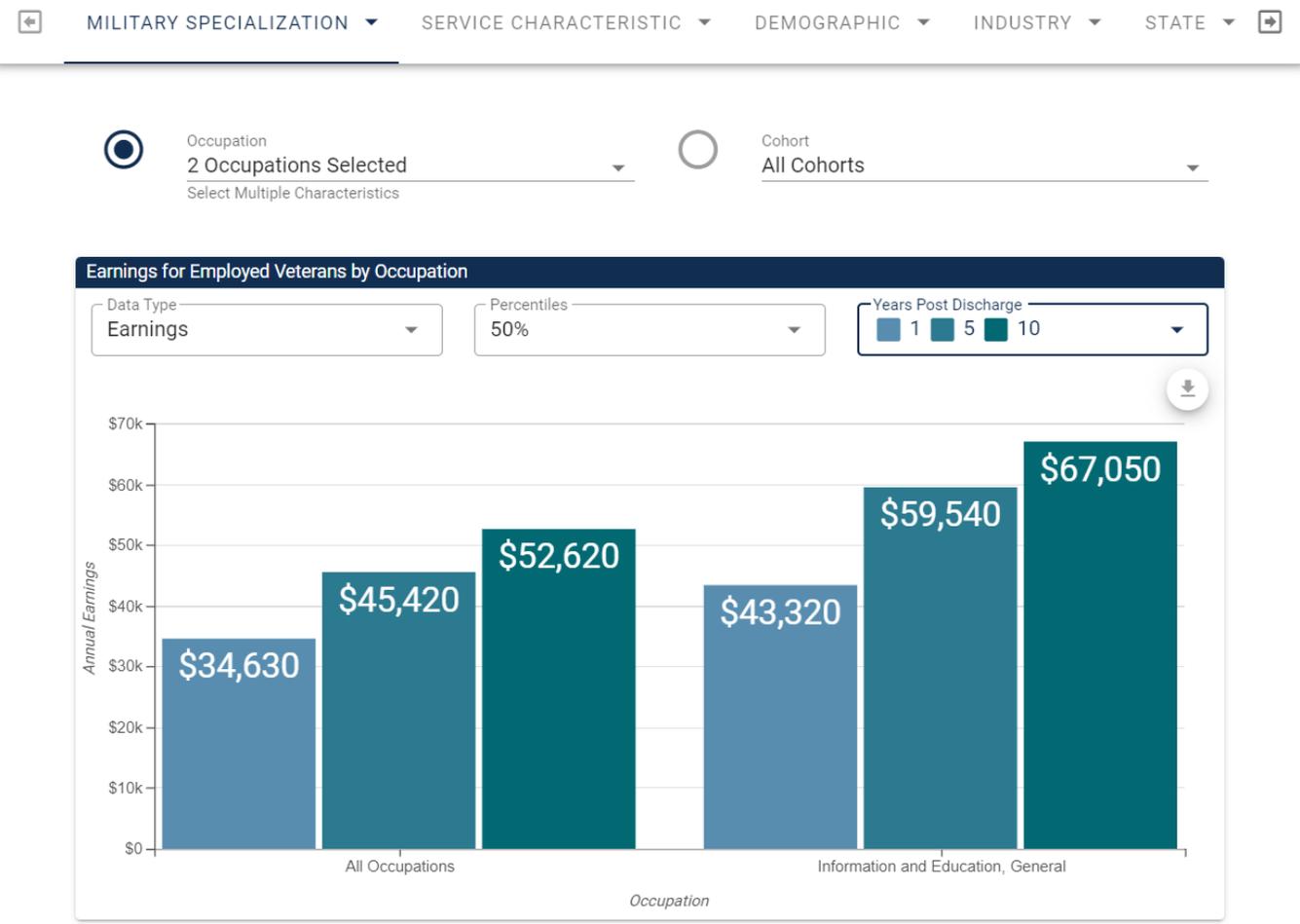
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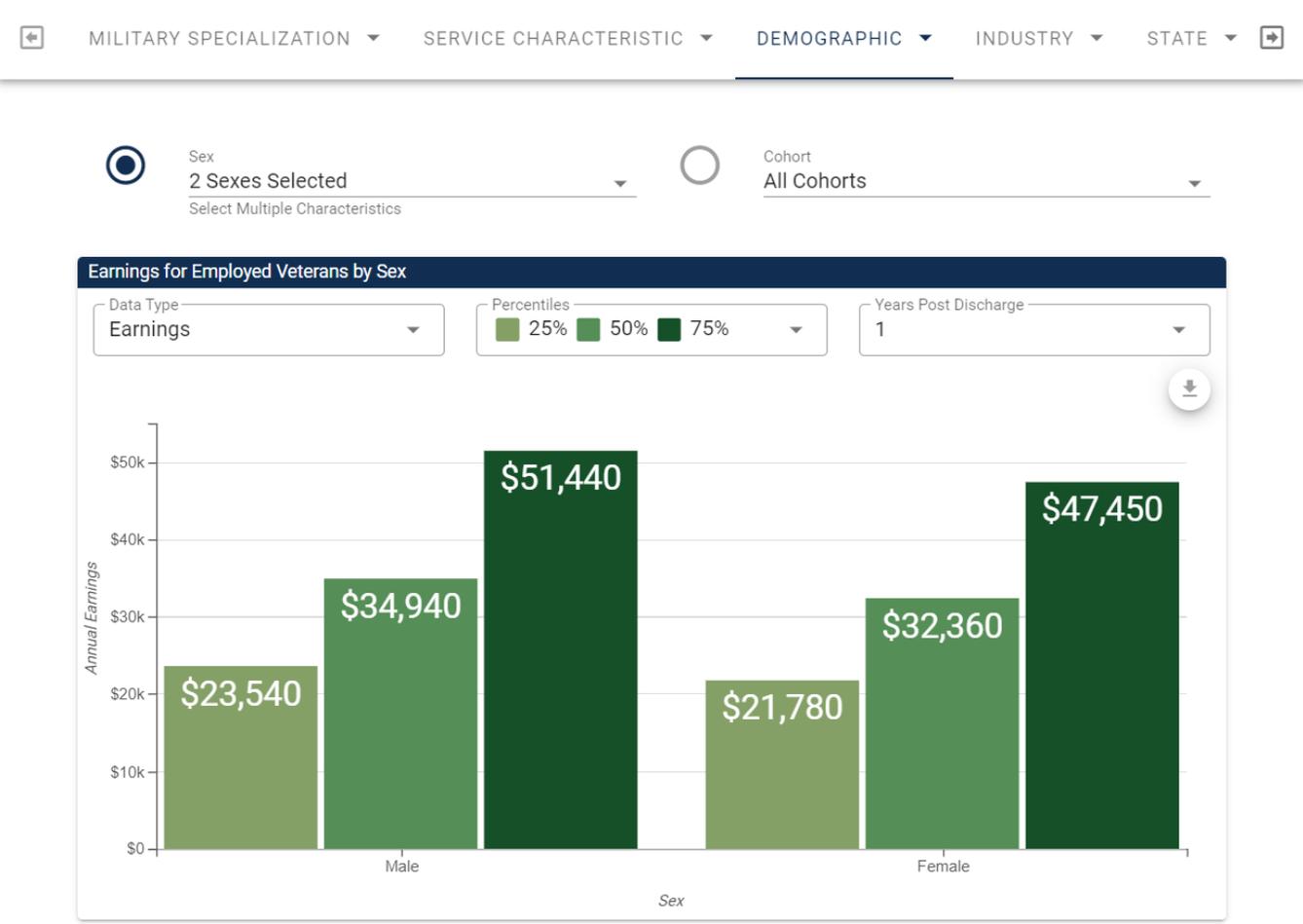
# How Much Do Army Veterans Earn (By Occupation)?



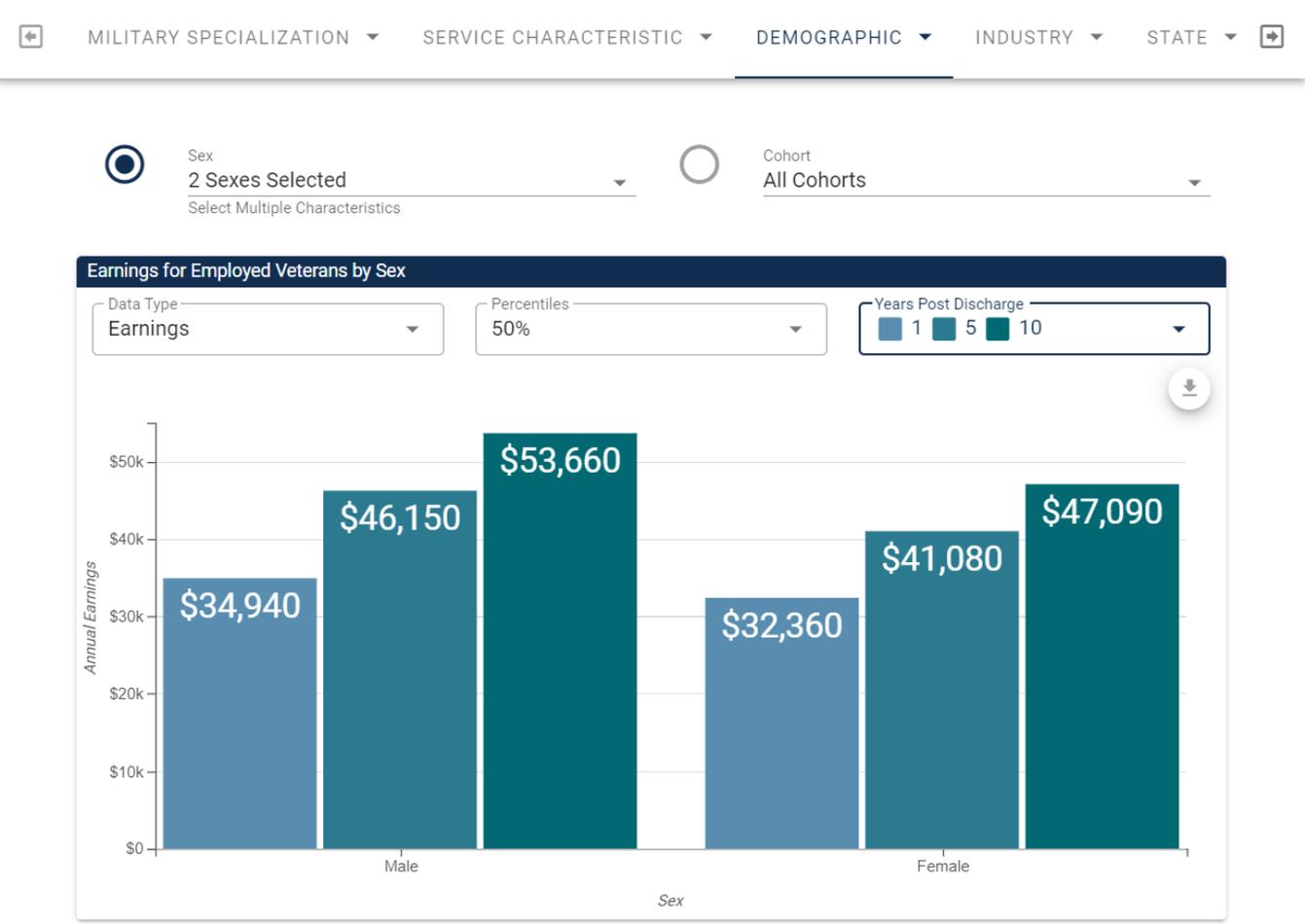
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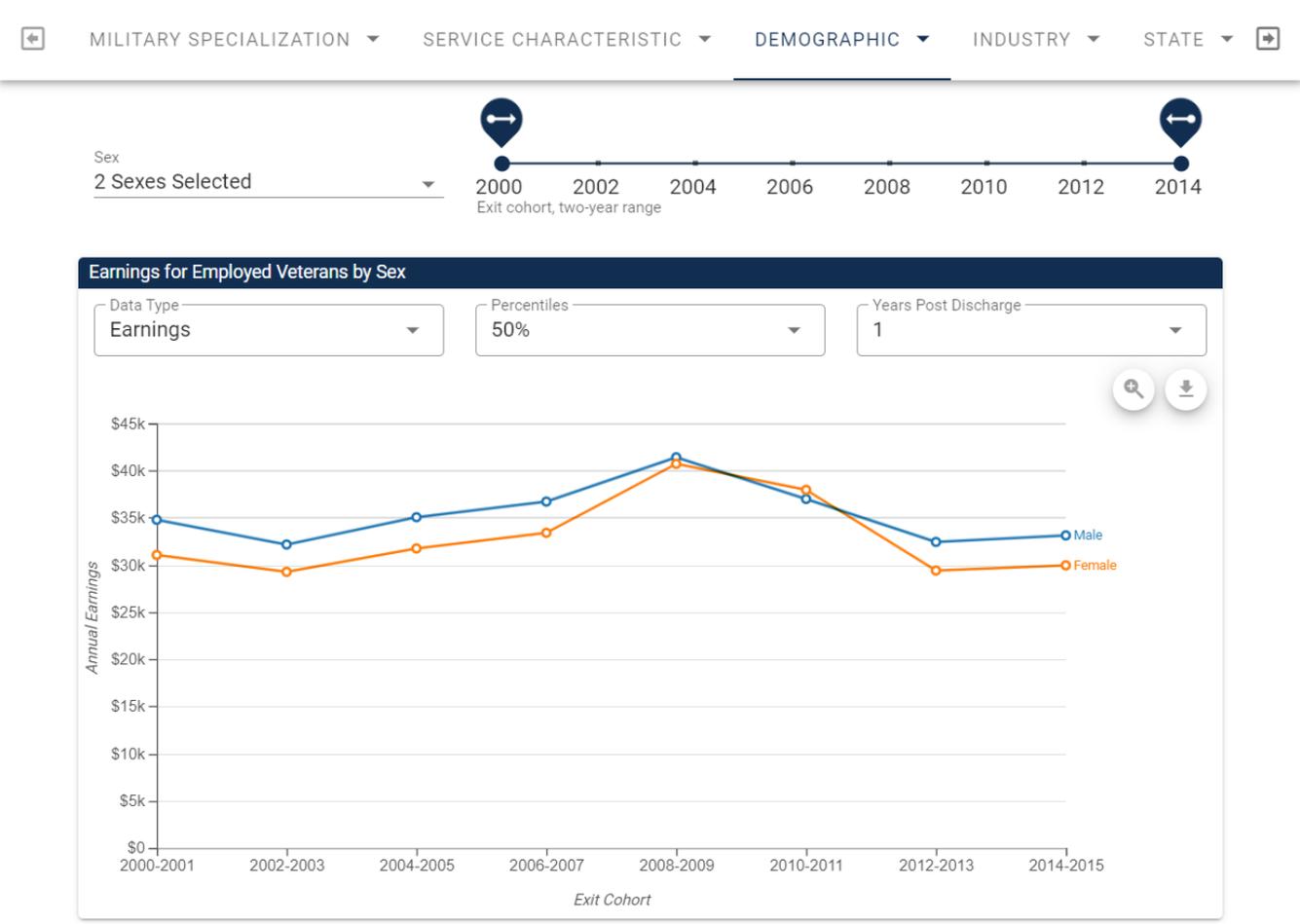
# How Much Do Army Veterans Earn (By Sex)?



# How Much Do Army Veterans Earn (By Sex)?



# How Much Do Army Veterans Earn (By Cohort and Sex)?



6.

## Additional Resources

# Helpful Links

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- **Help and Documentation**

- QWI Explorer

- [LEHD QWI Explorer Help and Documentation - Longitudinal Employer-Household Dynamics \(census.gov\)](#)

- OnTheMap

- [OnTheMap Help and Documentation - Longitudinal Employer-Household Dynamics \(census.gov\)](#)

- OnTheMap for Emergency Management

- [https://lehd.ces.census.gov/applications/help/onthemap\\_em.html#!what\\_is\\_onthemap\\_em](https://lehd.ces.census.gov/applications/help/onthemap_em.html#!what_is_onthemap_em)

- J2J Explorer

- [LEHD J2J Explorer Help and Documentation - Longitudinal Employer-Household Dynamics \(census.gov\)](#)

- PSEO Explorer

- [Post-Secondary Employment Outcomes \(PSEO\) \(census.gov\)](#)

- VEO Explorer

- [Data - Longitudinal Employer-Household Dynamics \(census.gov\)](#)

## Get in Touch with Us

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